

Lightweight composite environmental piggyback shrink boot adapter with integrated EMI/RFI shield sock

319-183

FAST AND EASY FINAL INSTALLATION OF ENVIRONMENTAL BOOTS TO SHIELD SOCK ASSEMBLIES



Cutaway View

How To Order									
Sample Part Number	319	H	S	183	XM	19	B	-2	
Basic Part Number	319 - Piggyback boot adapter								
Connector Designator	A = MIL-DTL-83723, Series III, MIL-DTL-5015, MIL-DTL-26482 F = MIL-DTL-38999, Series I & II G = MIL-DTL-28840 H = MIL-DTL-38999, Series III & IV U = MIL-DTL-29600								
Angle	S = Straight T = 45° Elbow W = 90° Elbow								
Basic Number	183								
Finish Symbol	See Table II								
Shell Size	See Dimensions Table III								
Optional Braid Material	See Table V. Insert dash (–) for standard Nickel/Copper 34AWG								
Boot Material	See Table IV								

Table II: Backshell Finish Options	
Sym	Finish Description
XM	2000 Hour Corrosion Resistant Electroless Nickel
XMT	2000 Hour Corrosion Resistant NI-PTFE, Nickel-Fluorocarbon Polymer
XW	2000 Hour Corrosion Resistant Cadmium Olive Drab Over Electroless Nickel

Table V: Braided Shielding Options	
Symbol	Braid Type
A	100% AmberStrand®
B	75%/25% AmberStrand® Blend
–	Nickel/Copper 34 AWG
T	Tin/Copper 34 AWG
L	Armorlite™
M	75%/25% ArmorLite™ Blend

Table IV: Boot Material Selection Guide			
Attribute	Type 1 High-Performance Semi-Rigid Elastomer	Type 2 Zero-Halogen Semi-Rigid Polyolefin	Type 3 General Purpose Flexible Polyolefin
Continuous Operating Temp.	-75° To +150° c-	30° To +135° c-	55° To 135° c
Resistance To Fuels, Oils	Excellent	Very Good	Good
Low Toxicity, Zero Halogen	No	Yes	No

MATERIAL / FINISH

Elbow, adapter: - High-grade engineering thermoplastic/see Table II
 Coupling nut, anti-decoupling device: high-grade engineering thermoplastic

O-ring: silicone

Braid: see table V

Boot: see table IV

Band: CRES

ASSEMBLY NOTES

Glenair 600-091 or 600-157 Series Backshell Assembly Tools are recommended for assembly and installation.

O-Ring supplied with Connector Designator F & H only.

O-Ring not supplied with Connector Designator A.

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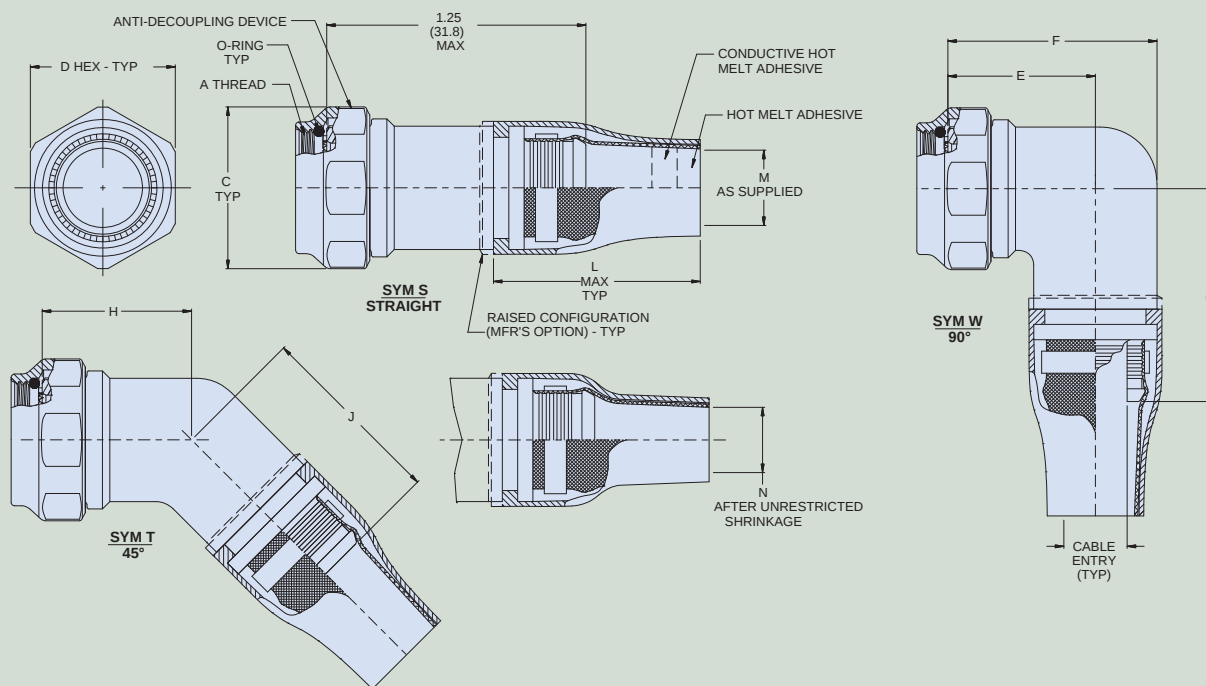


Table III: Shell Size

Shell Size					A Thread	Ø C Max		D Flats		E .060 (1.5)		F .090 (2.3)		G .090 (2.3)		H .060 (1.5)		J .090 (2.3)		Cable Entry ± .03 (0.8)		L Max		M Min		N Max	
A	F/L	G	H	U		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
-	08	-	-	-	7/16-28 UNEF																						
08	-	-	-	09	M12 X 1-6H	.860	21.8	.750	19.1	.690	17.5	.880	22.4	1.19	30.2	.720	18.3	1.00	25.4	.250	6.40	2.36	59.9	0.26	6.60	.138	3.51
-	-	-	-	-	1/2-20 UNEF																						
03	10	-	-	-	1/2-28 UNEF																						
-	-	-	-	11	9/16-24 UNEF	.980	24.9	.880	22.4	.750	19.1	1.00	25.4	1.25	31.8	.750	19.1	1.06	26.9	.380	9.70	2.36	59.9	0.38	9.70	.197	5.00
10	-	-	-	-	M15 X 1-6H																						
-	-	-	-	-	5/8-24 UNEF																						
-	-	-	-	10	5/8-28 UN																						
-	12	-	-	-	11/16-24 UNEF	1.16	29.5	1.00	25.4	.810	20.6	1.13	28.7	1.31	33.3	.750	19.1	1.13	28.7	.500	12.7	2.83	71.9	0.51	13.0	.197	5.00
-	-	-	-	13	M18 X 1-6H																						
12	-	11	-	-	3/4-20 UNEF																						
-	-	-	-	12	3/4-28 UNS																						
-	14	-	-	-	13/16-20 UNEF	1.28	32.5	1.13	28.7	.880	22.4	1.31	33.3	1.38	35.1	.760	19.3	1.16	29.5	.630	16.0	2.83	71.9	0.63	16.0	.236	5.60
-	-	-	-	15	M22 X 1-6H																						
14	-	13	-	-	7/8-20 UNEF																						
-	-	-	-	14	7/8-28 UNEF																						
-	16	-	-	-	15/16-20 UNEF	1.41	35.8	1.25	31.8	.940	23.9	1.38	35.1	1.44	36.6	.780	19.8	1.18	30.0	.750	19.1	3.74	95.0	0.76	19.3	.236	5.60
-	-	-	-	17	M25 X 1-6H																						
16	-	15	-	-	1-20 UNEF																						
-	-	-	-	16	1-28 UN																						
18	18	-	-	-	1 1/16-18 UNEF	1.52	38.6	1.38	35.1	.970	24.6	1.44	36.6	1.47	37.3	.790	20.1	1.19	30.2	.810	20.6	3.74	95.0	0.82	20.8	.276	7.01
-	-	-	-	19	M28 X 1-6H																						
-	-	17	-	-	1 1/8-18 UNEF																						
20	20	-	-	-	1 1/8-28 UNEF																						
-	-	-	-	-	1 3/16-18 UNEF	1.64	41.7	1.50	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.820	20.8	1.22	31.0	.940	23.9	3.74	95.0	0.94	23.9	.335	8.51
-	-	19	-	-	M31 X 1 6H																						
-	-	-	-	20	1 1/4-18 UNEF																						
22	22	-	-	-	1 1/4-28 UNEF	1.77	45.0	1.63	41.4	1.13	28.7	1.75	44.5	1.63	41.4	.860	21.8	1.26	32.0	1.06	26.9	4.92	125	1.07	27.2	.394	10.0
-	-	-	-	23	1 5/16-18 UNEF																						
-	-	-	-	22	M34 X 1-6H																						
24	24	23	-	-	1 3/8-28 UN																						
-	-	-	-	25	1 7/16-18 UNEF	1.89	48.0	1.75	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.890	22.6	1.29	32.8	1.19	30.2	4.92	125	1.19	30.2	.394	10.0
61	-	-	-	-	M37 X 1-6H																						
-	-	-	-	-	1 1/2-18 UNEF																						
-	-	-	-	24	1 1/2-28 UN	2.02	51.3	1.88	47.8	1.34	34.0	2.13	54.1	1.78	45.2	.920	23.4	1.32	33.5	1.38	35.1	4.92	125	1.38	35.1	.591	15.0
28	-	25	-	-	1 9/16-18 UNEF																						
-	-	-	-	-	1/34-18 UNS	2.15	54.6	2.00	50.8																		